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also is to determine that the workmanship of all equipment and apparatus and the installation is satisfactory.

§ 110.30-5 Inspection for certification.

Electric installations and electric equipment must be inspected at the inspection for certification and periodic inspection to determine mechanical and electrical condition and performance. Particular note must be made of circuits added or modified after the original issuance of the Certificate of Inspection.

[USCG 1999-4976, 65 FR 6504, Feb. 9, 2000]

§110.30-7 Repairs or alterations.

The Officer in Charge, Marine Inspection must be notified before-

- (a) Alterations or modifications that deviate from approved plans; or
- (b) Repairs, alterations, or modifications that affect the safety of the ves-

[CGD 94-108, 61 FR 28275, June 4, 1996]

PART 111—ELECTRIC SYSTEMS— **GENERAL REQUIREMENTS**

Subpart 111.01—General

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- 111.01-1 General.
- 111.01-3 Placement of equipment.
- 111.01-5 Protection from bilge water. 111.01-7 Accessibility and spacing.
- 111.01-9 Degrees of protection.
- 111.01-11 Corrosion-resistant parts.
- 111.01-13 Limitations on porcelain use.
- 111.01-15Temperature ratings.
- 111.01-17 Voltage and frequency variations.
- 111.01-19 Inclination of the vessel.

Subpart 111.05—Equipment Ground, Ground Detection, and Grounded Systems

111.05-1 Purpose.

EQUIPMENT GROUND

- 111.05-3 Design, construction, and installation; general.
- 111.05-7 Armored and metallic-sheathed cable.
- 111.05-9 Masts.

SYSTEM GROUNDING

- 111.05-11 Hull return.
- 111.05-13 Grounding connection.
- 111.05-15 Neutral grounding.
- 111.05-17 Generation and distribution system grounding.

111.05-19 Tank vessels; grounded distribution systems.

GROUND DETECTION

- 111.05-21 Ground detection.
- 111.05-23 Location of ground indicators.
- 111.05-25 Ungrounded systems.
- 111.05-27 Grounded neutral alternating current systems.
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GROUNDED CONDUCTORS

- 111.05-31 Grounding conductors for systems.
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Subpart 111.10—Power Supply

- 111.10-1 Definitions.
- 111.10-3 Two generating sources.
- 111.10-4 Power requirements, generating sources.
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- 111.12-3 Excitation.
- 111.12-5 Construction and testing of generators.
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Subpart 111.15—Storage Batteries and Battery Chargers: Contruction and Installation

- 111.15-1 General.
- 111.15-2 Battery construction.
- 111.15-3 Battery categories.
- 111.15-5 Battery installation.
- 111.15-10 Ventilation.
- 111.15-20 Conductors.
- 111.15-25 Overload and reverse current protection.
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Subpart 111.20—Transformer Construction, Installation, and Protection

- 111.20-1 General requirements.
- 111.20-5 Temperature rise.
- 111.20-10 Autotransformers.
- 111.20-15 Protection of transformers against overcurrent.